

Amendment to Claims

This listing of Claims will replace all prior versions and listings of claims in this Application.

Listing of Claims

Claims 1-5 Cancelled

Claim 6. (Currently Amended): A dual spray-deposition method of making a multilayer helmet shell employing, in appropriate succession as support structures, a female cavity, and a an associated male mandrel comprising:

utilizing an appropriate, generally sheet-like body of a first selected material, shaping and configurationally supporting a generally helmet-shaped central structural core layer having inner and outer surfaces, and forming a first precursor helmet shell;

while so supporting the core layer selectively on one of the mentioned support structures, assuring the substantially full-access exposure of at least one of such surfaces;

directing toward such at least one surface a spray of a first, selected, vapor-suspension deposition material to form on, and joined to, the at least one surface a first structural layer which, along with the core layer, forms a second precursor helmet shell;

thereafter, supporting the second precursor helmet shell on the other mentioned support structure so as to assure the substantially full-access exposure of the other one of such surfaces; and[;]

then directing toward such other surface a spray of a second, selected, vapor-suspension deposition material to form on, and suitably joined to, the other surface a second structural layer that forms along with said first structural layer a substantially fully encapsulating jacket around the

central core layer, thus completing the fabrication of the intended, finished helmet shell.

Claims 7 - 9 Cancelled

Claim 10. (Previously Presented): A method of making a multilayer helmet shell comprising:

in a generally helmet-shaped female cavity, forming a pliable layer of a selected material to form a central core having a helmet shape and an exposed inner surface;

directing a spray of a first, selected, vapor-suspension deposition material onto the exposed inner surface of the core in the cavity to form a structural inner layer which bonds to the inner surface of the core, and which generally stabilizes, into a helmet shape, the combined core and inner layer;

removing the joined central core material and inner layer from the cavity, and placing this assembly onto a generally helmet-shaped male mandrel, with the core having an exposed outer surface;

directing a spray of a second, selected, vapor-suspension deposition material onto the exposed outer surface of the core to form a structural outer layer which bonds to the outer surface of the core, and which collectively, with the inner layer, forms a substantially fully encapsulating jacket around the core; and

removing from the mandrel, as a finished helmet shell, the assembly of the inner layer, the core, and the outer layer.

Claims 11 - 16 Cancelled